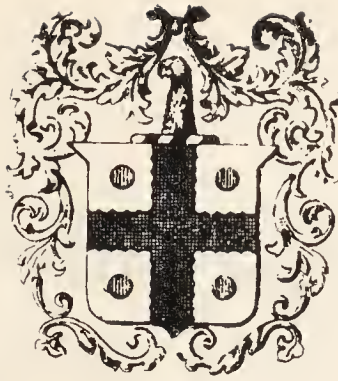




Urban District Council,
CLAYTON-LE-MOORS.

ANNUAL REPORT
OF THE
MEDICAL OFFICER OF HEALTH
FOR THE YEAR 1905.

CLAYTON-LE-MOORS :
JAS. BROADLEY LTD , Printers, " Gutenberg " Works.

URBAN DISTRICT COUNCIL. CLAYTON-LE-MOORS.

MEMBERS OF THE COUNCIL.

CHAIRMAN :

J. W. COOPER, Esq., J.P.

Councillor	A. MASSEY.	Councillor	M. CANNON.
„	M. WHITTAKER.	„	J. FOSTER.
„	J. RILEY.	„	A. WILSON.
„	DR. CLEGG.	„	T. HARGREAVES.
„	J. C. PARKER.	„	J. J. TENNANT.
„	T. CARTER.		

Clerk : J. SMITH.

Rate Collector and Assistant Clerk : W. WOODHEAD.

Medical Officer : DR. TATTERSALL.

Surveyor and Inspector : A. DODGEON.

TOPOGRAPHY.

CLAYTON-LE-MOORS. LANCASHIRE, N.E.

53° 46" to 53° 48" latitude.
2° 22" to 2° 24" longitude.

Enfield.

Highest part of Township above Sea level, 540 feet.
Mean level, 470 feet.

Oakenshaw.

Lowest part of Township above Sea level, 240 feet.
Mean level, 390 feet.

LANDFALL. South-Easterly to North-Westerly.
550 to 200 feet.

Climate.

Exposed ; Atmosphere damp.
Prevalent Winds : Westerly, South-Westerly.

Soil.

Moorland, Clayey.

Surrounding Hills : On the North the Pennine Range ;
North-East, the Pendle Hills ;
North-West : Minor Hills.

Annual Rainfall : about 60 inches.

Rivers.

The Hyndburn, the chief recipient of the rainfall of the district.

Canals.

Leeds and Liverpool Canal, dividing the Township into higher and lower portions, Enfield and Oakenshaw.

Industries.

Chiefly Cotton, others are Brick-making, Machine, Soap Works, and Flour Mill. *See List, Page 14.*

Population.

Estimated to middle of the year 8,600.

Little immigration or emigration.

Area 1039.922 acres.

Area of Water 18.078 „

Total 1058 „

Gross Assessment £35540 12 0

Ratable Value Buildings £27037 15 0

Agricultural Land £1178 10 0

Total £28216 5 0

Inhabited Houses 1919

New Houses Certified 47

Uninhabited Houses 11

Persons per Acre 8.2

Persons per House 4.4

To the Chairman and Members of the Council.

MR. CHAIRMAN AND GENTLEMEN,

In accordance with the Regulations of the Public Health Act, I have again the honour of presenting to you the ANNUAL REPORT of the Health and Sanitary condition, together with the Vital Statistics of of the Township of Clayton-le-Moors, for the year 1905.

The Mortality from Infectious Diseases is low, and there has been little illness from Scarlet Fever, Measles, Diphtheria, and Membranous Croup.

Typhoid Fever appears to have been rather more prevalent during the year 1905, than in the previous year.

The bulk of infectious illness however, was from Erysipelas; being 50 per cent of the reported cases.

The greatest percentage of Mortality from any classified illness is from Diseases of the Lungs, as Bronchitis and Pneumonia; and considering the climatic conditions of the district, this is naturally expected to be the case.

Births and Birth Rate.

During the year the number of Births registered is 215—Males 105, Females 110. This represents an annual birth-rate of 25 as compared with 27.1 of the previous year. The annual average number of births for the ten years 1895—1904, is 241, and the average annual birth-rate is 29.9 Particulars are set forth in Table 1, page 21.

Deaths and Death Rate.

The number of Deaths recorded during the year is 125. Of these 61 were males, and 64 females.

The deaths were from all kinds of disease, at ages ranging from birth to old age.

The nett death-rate annually is estimated at 14.5,

The average number of deaths annually for the ten years 1895—1904, is 241, and the average nett death-rate is 17.6.

The number of deaths, from birth to five years of age, is 44, and from five years to old age is 81, as here shown :—

Under 1 year.	29	} Total under 5 years
1 year and under 5 years.	15	
		44.
5 years	5	} Total, 5 years and upwards 81.
15 years	5	
25 years	49	
65 years and upwards.	22	

The deaths in young children up to five years of age form 35 per cent. of the total deaths.

Particulars of the causes of deaths, and the various ages, are given on page 23.

The monthly record of deaths is shown on the chart, page 27.

The natural increase of births over deaths for the year is 90, and the following table indicates the natural increase yearly during the last fifteen years.

YEAR.	CENSUS							
	POPULATION.	BIRTHS.	DEATHS.	INCREASE.				
1891	.. 7134	.. 254	.. 154	.. 100				
1892		.. 232	.. 143	.. 89				
1893		.. 260	.. 119	.. 141				
1894		.. 193	.. 87	.. 106				
1895		.. 232	.. 147	.. 85				
1896		.. 222	.. 130	.. 92				
1897		.. 241	.. 121	.. 120				
1898		.. 239	.. 156	.. 83				
1899		.. 261	.. 168	.. 93				
1900		.. 257	.. 172	.. 85				
1901	.. 8153	.. 230	.. 113	.. 117				
1902		.. 260	.. 139	.. 121				
1903		.. 238	.. 138	.. 100				
1904		.. 231	.. 141	.. 90				
1905		.. 215	.. 125	.. 90				

Average yearly increase, 100.

This seems to almost coincide with the yearly increase from the decennial census.

Infant Mortality.

The mortality of infants under one year of age is 29. This represents a death-rate of 134 for every 1000 births.

The average for the ten years 1895—1904 is 165 deaths for a thousand births. See table, page 21.

The causes of deaths, and ages from birth to one year are given in table, page 25.

Zymotic Diseases.

Zymotic diseases resulted in 8 deaths.

Measles	—
Scarlet Fever	—
Enteric Fever	3
Diphtheria	1
Whooping Cough	1
Diarrhæa	3
	—
Total.....	8

The death-rate from these diseases is 0.9 per thousand, and 6 per cent. of the total deaths.

The comparative death-rates from these diseases during previous years is as follows :—

YEARS.		DEATHS.		DEATH RATE.
1897	..	11	..	1.4
1898	..	23	..	2.9
1899	..	27	..	3.3
1900	..	22	..	2.7
1901	..	11	..	1.3
1902	..	15	..	1.8
1903	..	10	..	1.1
1904	..	24	..	2.8
1905	..	8	..	0.9

Zymotic average death-rate, 2.

Infectious Diseases.

The number of Infectious Diseases reported is 51.
See table, page 10.

The presence of infectious disease compared with previous years is here indicated :—

	1900	1901	1902	1903	1904	1905
Smallpox	..	..	..	..	1	..
Scarlet Fever	27	..	46	..	59	..
Enteric Fever	21	..	10	..	3	..
Diphtheria	5	..	11	..	9	..
Membranous Croup	2	..	3	..	8	..
Puerperal Fever	1	..	..	..	2	..
Erysipelas	12	..	15	..	18	..
Total.....	68	85	99	121	42	51

Infectious Diseases notified.

	Total	Jan.	Feb.	Mar.	Apl.	May.	June.	July.	Aug.	Sep.	Oct.	Nov.	Dec.
Scarlet Fever	7	1	2	..	..	..	..	..	1	..	1	1	1
Enteric Fever	12	4	1	..	..	1	2	..	..	..	1	1	2
Diphtheria	2	..	..	1	..	..	..	..	..	1	..	..	..
Membranous Group ..	5	..	1	..	..	2	2	..	..	..	..	..	..
Puerperal Fever	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas.....	25	1	2	2	2	2	4	1	1	2	5	3	..
Total	51	6	6	3	2	5	8	1	2	3	7	5	3

Scarlet Fever.

The presence of Scarlet Fever in the district is recorded as seven cases, in the early and later periods of the year. No mortality resulted from this illness.

Diphtheria and Membranous Croup.

From illness under this class seven cases were notified, resulting in one death. Death-rate, 0.11.

Whooping Cough.

One death took place from this disease. No notification of this illness is required under the Act.

Typhoid Fever.

Twelve cases of Enteric or Typhoid Fever were reported during the year, three of which proved fatal.

Most cases were of a mild character, not typical of the illness, and were soon well again.

Inspection was made of the various houses where this illness occurred, but nothing pointing to its origin could be made out, neither defective drainage nor insanitary surroundings.

Typhoid Statistics of the past six years :—

	CASES.		DEATHS.		DEATH-RATE.	
1899	..	26	..	4	..	0.5
1900	..	21	..	2	..	0.24
1901	..	10	..	1	..	0.12
1902	..	3	..	1	..	0.12
1903	..	7	..	1	..	0.11
1904	..	6	..	1	..	0.11
1905	..	12	..	3	..	0.34

Phthisis.

From what is commonly known as “Consumption,” and named Tuberculosis of the Lungs, there were six deaths, giving a death-rate of 0.69 per thousand.

The comparative mortality from this illness during the past six years is here shown :—

		DEATHS.		DEATH-RATE.
1899	..	8	..	1
1900	..	5	..	0.61
1901	..	11	..	1.3
1902	..	4	..	0.48
1903	..	4	..	0.47
1904	..	4	..	0.47
1905	..	6	..	0.69

Other Tubercular Diseases.

One death was recorded from these diseases. The death-rate being 0.11 per thousand.

Respiratory Diseases.

Under this category, such as Inflammation of the Lungs and Bronchitis, there were 24 deaths. 8 of these were in infants, 3 in children from one to five years, and 13 from 25 years to old age.

They form almost 20 per cent. of the total deaths.

The severe climate to which the district is liable contributes to this mortality, and in children, unavoidable exposure by nursing-out is also a cause of this mortality.

The death-rate from these diseases is 2.7 per thousand, as against 3.05 in the previous year.

The deaths and death-rates in previous years from these illnesses are :—

		DEATHS.		DEATH-RATE.
1899	..	17	..	2.1
1900	..	29	..	3.5
1901	..	23	..	2.8
1902	..	30	..	3.7
1903	..	22	..	2.6
1904	..	26	..	3.05
1905	..	24	..	2.7

Diarrhœa.

This disease was fatal in children ; probably from the usual causes of improper food and negligence.

Three deaths were recorded, two being infants.
Death-rate 0.34 per thousand.

Cancer.

Cancerous disease caused five deaths, representing a mortality rate of 0.58 as against 0.35 per thousand in the previous year.

		DEATHS.		DEATH-RATE.
1903	..	8	..	0.95
1904	..	3	..	0.35
1905	..	5	..	0.58

Alcoholism.

From diseases arising from the excessive use of alcohol, there are five deaths, representing a death-rate of 0.58. An indential rate with that of cancer.

List of Factories, Workshops, and Workplaces.

Cotton Mills	9
Soap Works	2
Calico Printing	1
Iron Foundry	1
Stone Quarry	1
Book, &c., Printing Works	1
Corn Mill	1
Brick Works	1
Sewing Machine Works	1
Laundry	1
Saw Mill	1
Malt Extract Works	1
Chemical Works	1
Rubber Works	1
Mineral Water Works	1
Joiners	3
Plumbers, Painters, &c.	4
Harness Maker	1
Tin-plate Works.....	1
Tailors	2
Tripe Dresser	1
Blacksmiths.....	2
Shoe-makers and Cloggers	10
Bakers	3
Confectioners	15
Hosiers	5
Dressmakers and Milliners	15
Underclothing Makers	1

Factories and Workshops.

During the latter part of the year 1904, I received instructions to report upon the Sanitary condition of Factories and Workshops, and a systematic inspection was made. Some of the Factories were found not complying with the Act with regard to the sanitary conveniences for the workpeople.

In the Annual Report for the year 1904, these conditions were commented upon, and a copy of the Inspector's Report was forwarded to the owners. No action was taken by them, and Notices were afterwards served to remedy the existing conditions.

Negotiations are now in progress to comply with the instructions given.

Workshops and Workplaces.

These are generally in a satisfactory state, and no contravention of the regulations are apparent. Inspections and investigations lead to the improvements where desired.

Offensive Trades.

Tripe dressers, Fat melters, Tallow makers, and Soap boilers have received attention, and there does not appear to be any important contravention of the sanitary regulations.

Slaughter Houses.

The old system of private slaughter-houses still obtains in the district, and though strict supervision is exercised in the sanitary requirements, their existence as a system is not satisfactory.

Food Preparation Shops.

The trades of Sausage, Black Puddings, Fried Fish, and Chip Potato Shops are under inspection occasionally, and such conditions as are found defective are remedied.

Water Supply.

The supply is ample, and in appearance the water is clear, bright, and free from smell ; acidity slight.

To the naked eye there is no evidence of impurities.

Dairies and Cowsheds.

To meet the requirements under this Act, a Code of Bye-laws was issued by the Council, also instructions were given to amend the insanitary conditions of some of the Farms, as regards the better housing of the cattle, cubic space required, and ventilation.

Negotiations are taking place in some instances to comply with the Regulations. Notices will now be again issued to draw their attention to the requirements of the Dairy and Cowsheds Act.

Schools.

In the Annual Report for 1904, a Special Report of the sanitary condition of the Schools was given by the Inspector of Nuisances, and having been with the Inspector at this investigation, certain sanitary alterations were found to be desirable.

With the exception of one of the Schools, little or nothing has been done to improve the sanitary conditions.

Refuse Disposal and Scavenging.

Evidently this work is carried on with entire satisfaction, with the means at command, but the disposal of the refuse and garbage from the ashpits into disused quarries and on waste land, is not quite an ideal sanitary system. Destruction is the perfect mode to be aimed at in order to prevent dissemination of disease.

Smoke Observations.

Observations under this class of nuisance have been made.

Offences by constant producing of black smoke of too long duration, are liable to be proceeded against, and the attention of employers and manufacturers has been called to minimise this class of nuisance.

Sanitary Work.

Front Streets paved	204.50 lineal yards.
Back Streets paved	174.35 ,,
New Sewers laid	42.83 ,,
Ashpits emptied	2945
Ashpails emptied	5448
Tanks emptied	810
Loads of House Refuse removed	3290
Loads of Street Sweepings removed ..	1722
Houses Certified	47

Vital Statistics.

Popu- lation.	Area in Statute Acres	1058
	Census, 1901	8153
	Estimate to middle of 1905	8600
Annual Rates per 1000 of estimated popu- lation.	Births registered	215
	Deaths registered	125
	Birth Rate	25
	Death Rate	14.5
	Zymotic Diseases (principal)	0.9
	Phthisis	0.69
	Other Tubercular Diseases	0.11
	Respiratory Diseases	2.7
	Cancer	0.58
	Alcoholism	0.58
	Infant Mortality under one year to 1000 Births	134
	Average Birth-rate for the past ten years	29.9
	Average Death-rate for the past ten years	17.6
	Infectious Diseases reported	51

Comparative record of Deaths occurring Monthly during 4 years.

	1902		1903		1904		1905
January	13	..	13	..	16	..	12
February	7	..	11	..	16	..	11
March	12	..	16	..	9	..	17
April	12	..	8	..	12	..	10
May	19	..	11	..	17	..	9
June	13	..	11	..	8	..	10
July	10	..	8	..	10	..	6
August	7	..	10	..	10	..	10
September	5	..	5	..	9	..	7
October	14	..	10	..	11	..	13
November	13	..	17	..	9	..	10
December	14	..	18	..	14	..	10

DR. TATTERSALL,

MEDICAL OFFICER OF HEALTH.

Vital Statistics of Whole District during 1905 and previous Years.

YEAR.	Popula- tion estimated to middle of each Year.	BIRTHS.		TOTAL DEATHS REGISTERED IN THE DISTRICT.				Deaths of Residents registered in Public Institu- tions beyond the District.	NETT DEATHS AT ALL AGES BELONGING TO THE DISTRICT.	
		Num- ber.	Rate*	Under 1 Year of Age.		At all Ages.			Num- ber.	Rate.*
				Num- ber.	Rate per 1,000 Births Regis- tered.	Num- ber.	Rate.*			
1	2	3	4	5	6	7	8	9	10	11
1895	7600	232	30.5	39	168	147	19.3	..	147	19.3
1896	7700	222	28.8	35	157	130	16.8	..	130	16.8
1897	7800	241	30.8	33	136	121	15.5	..	121	15.5
1898	7900	239	30.2	46	192	156	19.7	..	156	19.7
1899	8000	261	32.6	53	203	168	21	..	168	21
1900	8100	257	31.7	50	194	169	20.8	3	172	21.2
1901	8200	230	28	33	143	111	13.5	2	113.	13.7
1902	8300	260	31.3	41	157	135	16.2	4	139	16.7
1903	8400	238	28.3	36	151	128	15.2	10	138	16.4
1904	8500	231	27.1	35	151	139	16.2	2	141	16.4
Averages for years 1895-1904	8050	241	29.9	40	165	140	17.4	..	142	17.6
1905	8600	215	25	29	134	120	14	5	125	14.5

* Rates in Columns 4, 8, and 11 calculated per 1,000 of estimated population.

Causes of, and Ages at, Death during the Year 1905.

CAUSES OF DEATH. 1	DEATHS IN OR BELONGING TO WHOLE DISTRICT AT SUBJOINED AGES.						
	All ages.	Under 1 year	1 and under 5.	5 and under 15	15 and under 25	25 and under 65	65 and up- wards
	2	3	4	5	6	7	8
Smallpox	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..
Scarlet Fever	..	..	..	..	..	..	..
Whooping Cough	I	..	I	..	..	..	..
Diphtheria and Membranous Croup	I	..	I	..	..	..	..
Croup	..	..	..	..	..	..	..
Fever { Typhus	..	..	..	..	..	..	..
{ Enteric	3	..	..	I	..	I	I
{ Other continued	..	..	..	..	..	..	..
Epidemic Influenza	I	..	..	..	..	I	..
Cholera	..	..	..	..	..	..	..
Plague	..	..	..	..	..	..	..
Diarrhœa	3	2	I	..	..	..	..
Enteritis	..	..	..	..	..	..	..
Puerperal Fever	..	..	..	..	..	..	..
Erysipelas	..	..	..	..	..	..	..
Other Septic Diseases	2	..	..	..	I	I	..
Phthisis	6	..	I	..	..	5	..
Other Tubercular Diseases	I	..	I	..	..	..	..
Cancer, Malignant Disease	5	..	..	..	..	4	I
Bronchitis	12	5	I	..	..	3	3
Pneumonia	12	3	2	..	3	4	..
Pleurisy	..	..	..	..	..	..	..
Other Diseases of Respiratory Organs	..	..	..	..	..	..	..
Alcoholism }	5	..	..	..	..	5	..
Cirrhosis of Liver }	..	..	..	..	..	..	..
Venereal Diseases	..	..	..	..	..	..	..
Premature Birth	5	5	..	..	..	..	..
Diseases & Accidents of Parturition	3	I	..	..	..	2	..
Heart Diseases	7	..	I	..	I	5	..
Accidents	2	I	..	I	..	..	..
Suicides	..	..	..	..	..	..	..
All other causes	56	12	6	3	..	18	17
All causes	125	29	15	5	5	49	22

INFANTILE MORTALITY DURING THE YEAR 1905.

Deaths from stated Causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH.		Under 1 Week.	1-2 Months	2-3 Months	3-4 Months	4-5 Months	5-6 Months	6-7 Months	7-8 Months	8-9 Months	11-12 Months	Total Deaths under One Year.
Common Infectious Diseases.	Smallpox	..	..	..	..	..	..	..	..	..	..	..
	Chickenpox	..	..	..	..	..	..	..	..	..	..	..
	Measles	..	..	..	..	..	..	..	..	..	..	..
	Scarlet Fever	..	..	..	..	..	..	..	..	..	..	..
	Diphtheria: Croup	..	..	..	..	..	..	..	..	..	..	..
Diarrhoeal Diseases.	Whooping Cough	..	..	..	..	..	..	..	..	..	..	..
	Diarrhoea, all forms	..	..	1	..	1	..	..	..	..	..	2
	Enteritis (not Tuberculous)	..	..	..	..	..	..	..	..	..	..	..
	Gastritis, Gastro-intestinal Catarrh	..	..	..	..	..	..	..	..	..	..	..
	Premature Birth	5	..	..	..	..	..	..	..	..	..	5
Wasting Diseases.	Congenital Defects	..	..	..	..	..	..	..	..	..	..	..
	Injury at Birth	1	..	..	..	..	..	..	..	..	..	1
	Want of Breast Milk	..	..	..	..	..	..	..	..	..	..	..
	Atrophy, Debility, Marasmus	1	3	2	..	..	1	..	..	..	..	7
	Tuberculous Meningitis	..	..	..	..	..	..	..	..	..	..	..
Tuberculous Diseases.	Tuberculous Peritonitis: Tabes	..	..	..	..	..	..	..	..	..	..	..
	Mesenterica	..	..	..	..	..	..	..	..	..	..	..
	Other Tuberculous Diseases	..	..	..	..	..	..	..	..	..	..	..
	Erysipelas	..	..	..	..	..	..	..	..	..	..	..
	Syphilis	..	..	..	..	..	..	..	..	..	..	..
	Rickets	..	..	..	..	..	..	..	..	..	..	..
	Meningitis (not Tuberculous)	..	..	1	..	..	..	..	..	1	1	3
	Convulsions	..	..	..	..	..	..	..	..	..	..	..
	Bronchitis	..	..	..	..	..	1	1	1	..	2	5
	Laryngitis	..	..	..	..	..	..	..	..	..	..	..
	Pneumonia	..	..	..	2	..	..	..	..	1	..	3
	Suffocation, overlaying	..	1	..	..	..	..	..	..	..	..	1
	Other Causes	..	..	1	..	1	..	..	..	..	..	2

DEATHS.



TOTAL DEATHS, 125.

